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6. (Amended) The method according to claim 3, wherein the ion channel
is a Kv ion channel.

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19. (Twice Amended) A method of screening a drug for effectiveness as
an ion channel blocker for an ion channel, wherein the ion channel has an external vestibule
portion, said external vestibule portion being the portion of the ion channel located between
the S5 transmembrane and pore forming region of the ion channel or between the pore
forming region and the S6 transmembrane of the ion channel, said method comprising:

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contacting a cell having an ion channel with a drug which is an ion channel
blocker candidate;

evaluating the cell to determine if the ion channel blocker candidate binds to
the external vestibule portion of the ion channel and inhibits ion transport through the ion
channel; and

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identifying a drug which binds to the external vestibule portion of the ion
channel and inhibits ion transport through the ion channel as an ion channel blocker.

20. (Amended) The method according to claim 19, wherein the ion
channel blocker is an antibody, binding portion of the antibody, probe, or ligand.